

Frequently Asked Questions

What is BlueDEF™?

BlueDEF Diesel Exhaust Fluid is the reactant that is used in Selective Catalytic Reduction(SCR) systems on diesel engines. When used in an SCR system, BlueDEF will reduce the levels of NOx emissions of those engines.

What is SCR?

SCR is an acronym for Selective Catalytic Reduction. It is a catalyst installed on the exhaust system of a diesel truck. It sprays DEF into the exhaust stream to mix with exhaust gases to convert to nitrogen and water.

What is BlueDEF made of?

BlueDEF is a high-purity, 32.5 strength urea solution and deionized water.

Does it need to meet any quality standards?

Yes, It needs to meet the ISO 22241-1 quality standard.

Is it hazardous?

No, BlueDEF is not hazardous.

What has changed to make BlueDEF necessary?

The EPA has mandated the reduction of NOx emissions by the end of the 2010.

How will BlueDEF be carried on the vehicle?

BlueDEF is stored in a designated tank on the vehicle. It is then replenished like fuel.

Does BlueDEF mix with fuel?

No, It is not an additive. It is sprayed into the exhaust stream where it is hydrogenated before the catalytic converter effects the breakdown into nitrogen and water.

How much BlueDEF will I need?

BlueDEF is consumed at a rate of approximately 2 - 5% by volume to diesel consumption.

When and how is BlueDEF available?

It is available through Old World Industries and our distributor partners.

Old World Industries, Inc.
4065 Commercial Avenue
Northbrook, IL 60062-1851
800-289-7234
www.bluedef.com



Driving to a cleaner environment™

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The logo consists of the word 'BlueDEF' in a large, blue, sans-serif font. The 'B' is stylized with three curved lines behind it. A large, blue, water drop graphic is positioned over the 'D'. To the right of the drop, the word 'DEF' is written in a black, sans-serif font. Below 'BlueDEF', the words 'Diesel Exhaust Fluid' are written in a green, sans-serif font. The entire logo is set against a background of a blue sky with white clouds and a green field of grass.

Driving to a cleaner environment™



Why Now?

In 2010 the Environmental Protection Agency, OEMs, and many trucking fleets have committed themselves to a cleaner environment by reducing NOx emissions. To reduce NOx emissions, most new trucks will be equipped with a Selective Catalytic Reduction (SCR) system. The SCR technology requires the use of diesel exhaust fluid (DEF).

Old World Industries, one of North America's largest suppliers of functional fluids, has the existing supply chain of 10 production locations and over 4,500 distribution points to make BlueDEF™ Diesel Exhaust Fluid available to you. This is Old World's commitment to a cleaner environment. With BlueDEF Diesel Exhaust Fluid, "Blue Means Go.™"



Driving to a cleaner environment™

What is BlueDEF™?

BlueDEF Diesel Exhaust Fluid is the mixture of high purity synthetic urea and deionized water that is used in Selective Catalytic Reduction (SCR) systems on diesel engines. BlueDEF is injected into the exhaust stream via a controlled dosing module where the water vaporizes leaving ammonia molecules free to travel into the catalytic converter where it reacts and neutralizes the NOx molecules, converting it to nitrogen and water.

How It Works

BlueDEF is carried onboard SCR-equipped vehicles in specially designed tanks and is dosed into the SCR system at a rate equivalent to 2-5% of diesel consumption. This low dosing rate ensures long refill periods, and the use of BlueDEF helps improve fuel economy allowing fleets to realize a reduction in overall operating costs.

Committed To Quality

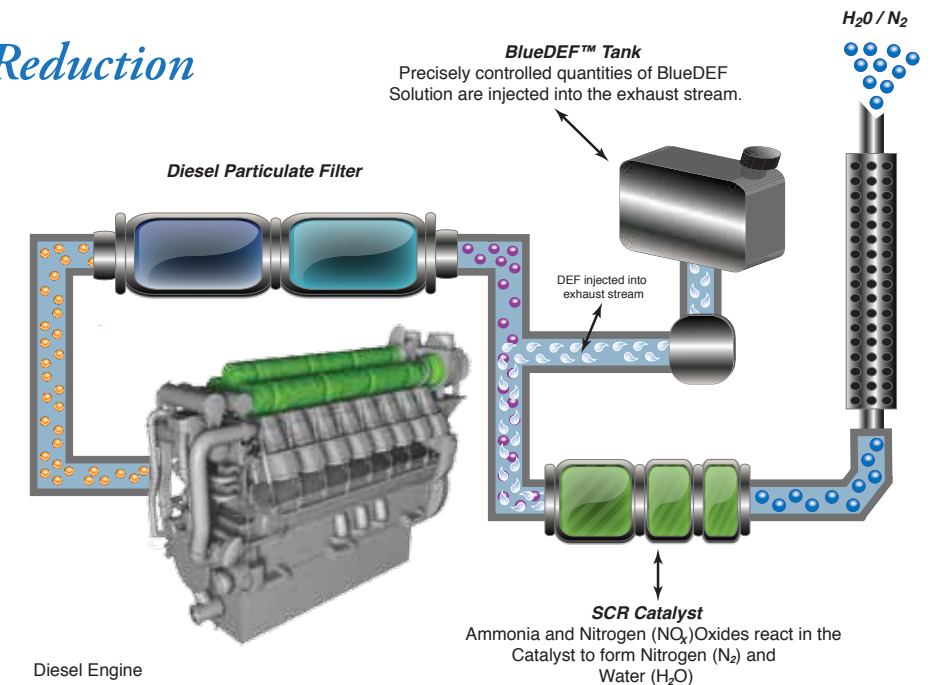
SCR systems are sensitive to potential chemical impurities in the urea solution. Therefore, it is essential to maintain high standards of diesel exhaust fluid quality and ISO standard 22241-1 is in place to insure fluid quality. BlueDEF is manufactured in accordance to these strict standards giving you the peace of mind you need using it in your SCR System.

Storage

Storage temperature between 40° F and 80° F is recommended to maintain shelf life. Storage temperature above 12° F is recommended to avoid crystallization, which starts at 11° F. Prolonged storage above 86° F will cause hydrolysis to occur, with the consequent formation of ammonia and pressure rise, and will reduce shelf life.

Selective Catalytic Reduction

SCR is an acronym for Selective Catalytic Reduction. It is a catalyst installed on the exhaust system of a diesel truck. It sprays DEF into the exhaust stream to mix with exhaust gases to convert to nitrogen and water.



Packaging

- Bulk
- 330 Gallon Tote
- 275 Gallon Tote
- 55 Gallon Drum
- 2.5 Gallon Bottle
- 1 Gallon Bottle

Part Number
DEF000
DEF330
DEF275
DEF001
DEF002
DEF003

Old World Industries is proud to be a part of the North American initiative to clean the environment and reduce NOx emissions. If you would like any further information on this initiative and BlueDEF™ Diesel Exhaust Fluid please call 1-800-323-5440 or visit www.bluedef.com

